

# Auxiliary Self-Contained Truck

## Air Conditioning & Heating Systems



7,000 BTU Model shown

**Dometic self-contained truck air conditioning and heating systems are designed to cool or heat** the living quarters without running the truck's diesel engine – saving fuel and preserving the environment.

The systems run on 120VAC electricity, which is supplied by a shorepower connection, batteries and inverter, or auxiliary power unit (APU). Self-contained systems are available in 7,000, 10,000 and 14,000 BTU capacities. All models (except the cooling-only 7,000 BTU model), have built-in heating strips providing an integrated year-round comfort solution. A diesel fuel heater can be integrated into the control of the system.

The self-contained system is designed for easy installation. All system components are built into a single compact, low-profile chassis that can be installed in a lower bay or storage compartment, or under the bunk.

The return air is pulled directly across the evaporator coil and discharged through ducts to one or more discharge grills.

A mechanical thermostat control is built into the 7,000 BTU cooling-only unit. All other units work with the Dometic Qt digital thermostat control (ordered separately). The system is precharged with refrigerant at the factory and no charge adjustment is needed at installation.

### Key Benefits

- Extensively field tested for truck use
- All components, including compressor, condenser and evaporator are mounted on a single chassis
- All-aluminum construction for long life and light weight
- All mechanical components enclosed in aluminum sound shield
- Built-in shock and vibration isolation
- Strong, silent squirrel-cage blower can support long duct runs
- Polarized plug-and-play electrical hookup
- Factory precharged and sealed refrigerant circuit
- Built-in 1, 1.5, 2 or 2.5 kW heat strips (see specs on back)

## Specification Details

Model	ASCF7	ASCEQ7	ASCEQ7	ASCEQ7	ASCEQ7	ASCDQ10	ASCDQ10	ASCDQ10	ASCDQ14	ASCDQ14
Cooling Capacity (BTU/Hr)	7,000	7,000	7,000	7,000	7,000	10,000	10,000	10,000	14,000	14,000
Heating Capacity**	cooling only	cooling only	7500 BTU Espar Ready	1 kW	1.5 kW	cooling only	1.5 kW	2 kW	2 kW	2.5 kW
Control	mechanical	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital	smart digital
Height (in)	12.5	11.94	11.94	11.94	11.94	12.5	12.5	12.5	12.5	12.5
Width (in)	15.25	17.75	17.75	17.75	17.75	20.87	20.87	20.87	20.87	20.87
Length (in)	21.5	24	24	24	24	28.25	28.25	28.25	31.5	31.5
Weight (lbs)	62	70	70	71	71	91	92	92	104	104
Cool amps*	8.5	8.9	8.9	8.9	8.9	12.9	12.9	12.9	15.7	15.7
Heat amps*	n/a	n/a	1.8	9.5	13.4	n/a	13.9	18.2	19	23
Refrigerant	R-22	R-417A	R-417A	R-417A	R-417A	R-22	R-22	R-22	R-22	R-22

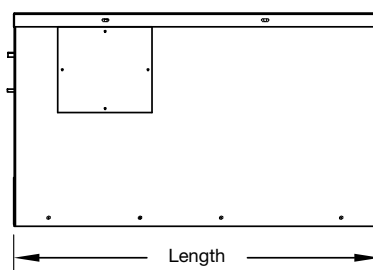
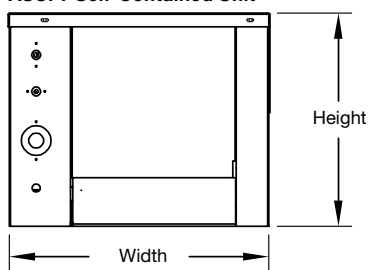
**NOTES:** The system is rated to provide full capacity at 95°F (35°C) outside temperature. Actual performance will be affected by factors such as ambient temperature and humidity, insulation, direct sunlight and reflected heat. \*Full Load Amperage at 120VAC. \*\*Heat option not available for 7,000 BTU cool-only models. Other heat capacities are optional. Espar Ready unit is set up to operate the Espar D2 Airtonic Heater. The heater draws approximately 1.8 amps @ 12VDC. 1 kw of electric heat equals 3,414 BTU/hr.

## Recommended Duct & Min. Grill Sizes<sup>1</sup>

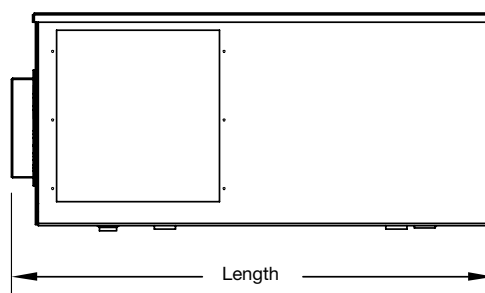
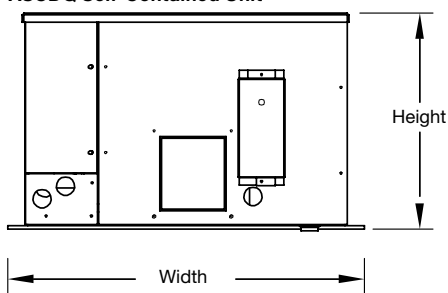
BTU/Hr	7,000	10,000	14,000
Return Air (sq in/cm)	80/520	100/650	144/936
Discharge Air (sq in/cm)	50/325	60/390	80/520
Recommended Duct Size (in/mm)	5/127	5/127	7/178

<sup>1</sup> The condenser area, located on the bottom of the unit, is defined by a template which is supplied in the installation instructions.

**ASCF7 Self-Contained Unit**



**ASCDQ Self-Contained Unit**



DOMETIC • US Patent 7,171,822 • US Patent 7,234,315 B2  
US Patent 7,140,192 • US Patent 7,316,119 • US Patent 7,237,397

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